

Hydrologic Forecasting and Water Management, Manitoba Infrastructure & Transportation

**DAILY FLOOD SHEET - Imperial  
Assiniboine River**

July 31, 2014

<http://www.gov.mb.ca/mit/floodinfo>

LOCATION	Today's Conditions		Change from Jul 30 (ft)	Total Rise (ft)	Forecasted Peak		DIKE ELEV (ft)	Existing Channel Capacity		2013 Spring Peak		Reference Years			
	FLOW (cfs)	LEVEL (ft)			LEVEL (ft)	DATE		FLOW (cfs)	LEVEL (ft)	FLOW (cfs)	LEVEL (ft)	1995		2011	
												FLOW (cfs)	LEVEL (ft)	FLOW (cfs)	LEVEL (ft)
Kamsack	2,787	22.18	-0.28	13.32						8,334	27.03	18,000	1,429.99	13,031	29.04
Shell River near Inglis	126	1,438.20	-0.02	.21				1,500		1,031	1,440.06	2,100	5.41		
Shellmouth Reservoir - Inflow	3,616					Peaked July 9						25,000		20,000	
- Level		1,411.29	-0.09	21.53	P:1,416.0	Peaked July 10		1,408.50					1,415.00		1,414.52
- Conduit Flow	1,061											6,000			
- Spillway Flow	3,125											11,800			
- Total Outflow	4,186					Peaked July 10						11,800		12,040	
Shellmouth Bridge - d/s								1,600	1,353.00				1,360.79		
Russell - old Hwy 4	4,035	1,346.30	-0.25	7.06	P:1,354.2	Peaked July 10		3,000	1,343.20	2,822	1,343.64	12,713	1,351.97	14,055	1,352.69
Millwood - PR579 - d/s								1,700	1,323.00				1,332.10		
Qu'Appelle River near Welby, SK	2,526	14.99	-0.09	8.10						5,188	15.98	4,600	16.30	12,183	18.35
St. Lazare - PTH 41					P:1,290.9	Peaked July 9	1,293.41	5,000	1,283.70		1,285.27	14,500	1,288.80		1,290.07
Miniota	9,575	1,241.69	-0.22	14.00	P:1,247.4	Peaked July 10		5,250	1,236.80	8,843	1,241.32	16,351	1,244.98	29,381	1,247.41
Virden - PR 259	9,677	1,219.91	-0.04	16.50	P:1,222.0	Peaked July 10		5,400	1,215.98		1,219.77	18,000	1,218.37		1,225.00
Griswold - PTH 21	10,550	1,200.22	-0.14		P:1,204.0	Peaked July 11		5,900	1,196.40		1,199.56	18,500	1,200.98		1,203.61
Brandon - Grand Valley	13,935	1,186.94	-0.23	9.77		Peaked July 12		5,800	1,182.60	9,747	1,185.63	20,483		36,727	1,193.30
Brandon - 1st Street - d/s					P:1,183.1	Peaked July 12	1,184.50	8,200	1,172.00			20,000	1,178.77		1,182.90
Spruce Woods - PTH 5															
Holland	20,278	970.84	-0.30	7.26	P:979.0	Peaked July 14		26,000	974.20	14,691	968.34	25,000	973.59		980.24
Portage - u/s Diversion	20,679				P:51,993 cfs	Peaked July 15		45,000				25,100	866.17	52,000	
Portage Diversion	*6,510				P:33,484 cfs	Peaked July 15		25,000				13,500		34,600	
Portage - Bascule Gates	*14,168				P:18,000 cfs	Peaked July 17			854.00					18,100	
Baie St. Paul Bridge		797.86	+0.02	10.46	P:799.8	Peaked July 16		18,000	800.20		794.39	12,000	795.90		800.28
PTH 1 East - Lido Plage									775.00						
Headingley	14,839	767.60	+0.07	7.76	P:769.2	Peaked July 17				8,628	764.36	12,000	765.98	19,246	769.59

2013 peaks are provisional data from Environment Canada.

\* As of July 30 the Portage Reservoir Bascule Gates are being operated to decrease the flow along the Lower Assiniboine River by 500 cfs per day until the flow along the Lower Assiniboine reaches 11,000 cfs. The flow along the Lower Assiniboine River will then be held at 11,000 cfs until the inflow into the Portage Reservoir decreases to 11,000 cfs at which point the Diversion will have no flow and the Lower Assiniboine will be allowed to decrease naturally. This operating plan will allow for a controlled decrease of the flow along the Lower Assiniboine River which will help to prevent slumping of river banks and dikes. Since Inflows into the Portage Reservoir are currently dropping by approximately 1,000 cfs per day, the flow into the Portage Diversion will continue to decrease as the flow along the Lower Assiniboine River is being decreased by 500 cfs per day.

P: Denotes a peak flow/crested elevation that has occurred in the past.



**DAILY FLOOD SHEET - Metric  
Assiniboine River**

July 31, 2014

<http://www.gov.mb.ca/mit/floodinfo>

LOCATION	Today's Conditions		Change from Jul 30 (m)	Total Rise (m)	Forecasted Peak		DIKE ELEV (m)	Existing Channel Capacity		2013 Spring Peak		Reference Years			
	FLOW (cms)	LEVEL (m)			LEVEL (m)	DATE		FLOW (cms)	LEVEL (m)	FLOW (cms)	LEVEL (m)	1995		2011	
												FLOW (cms)	LEVEL (m)	FLOW (cms)	LEVEL (m)
Kamsack	78.9	6.76	-0.08	4.06						236.0	8.24	509.7	435.86	369.0	8.85
Shell River near Inglis	3.6	438.36	-0.01	0.06				42.5		29.2	438.93	59.5	1.65		
Shellmouth Reservoir - Inflow	102.4					Peaked July 9						707.9		566.3	
- Level		430.16	-0.03	6.56	P:431.60	Peaked July 10			429.31				431.29		431.14
- Conduit Flow	30.0											169.9			
- Spillway Flow	88.5											334.1			
- Total Outflow	118.5					Peaked July 10						334.1		340.9	
Shellmouth Bridge - d/s								45.3	412.39				414.77		
Russell - old Hwy 4	114.2	410.35	-0.08	2.15	P:412.76	Peaked July 10		85.0	409.41	79.9	409.54	360.0	412.08	398.0	412.30
Millwood - PR579 - d/s								48.1	403.25				406.02		
Qu'Appelle River near Welby, SK	71.5	4.57	-0.03	2.47						146.9	4.87	130.3	4.97	345.0	5.59
St. Lazare - PTH 41					P:393.47	Peaked July 9	394.23	141.6	391.27		391.75	410.6	392.83		393.21
Miniota	271.1	378.47	-0.07	4.27	P:380.21	Peaked July 10		148.7	376.98	250.4	378.35	463.0	379.47	832.0	380.21
Virden - PR 259	274.0	371.83	-0.01	5.03	P:372.47	Peaked July 10		152.9	370.63		371.79	509.7	371.36		373.38
Griswold - PTH 21	298.7	365.83	-0.04		P:366.98	Peaked July 11		167.1	364.66		365.63	523.9	366.06		366.86
Brandon - Grand Valley	394.6	361.78	-0.07	2.98		Peaked July 12		164.2	360.46	276.0	361.38	580.0		1,040.0	363.72
Brandon - 1st Street - d/s					P:360.61	Peaked July 12	361.04	232.2	357.23			566.3	359.29		360.55
Spruce Woods - PTH 5															
Holland	574.2	295.91	-0.09	2.21	P:298.40	Peaked July 14		736.2	296.94	416.0	295.15	707.9	296.75		298.78
Portage - u/s Diversion	585.6				P:1,472 cms	Peaked July 15		1,274.3				710.7	264.01	1,472.5	
Portage Diversion	*184.3				P:948 cms	Peaked July 15		707.9				382.3		979.8	
Portage - Bascule Gates	*401.2				P:510 cms	Peaked July 17			260.30					512.5	
Baie St. Paul Bridge		243.19	0.00	3.19	P:243.79	Peaked July 16		509.7	243.90		242.13	339.8	242.59		243.93
PTH 1 East - Lido Plage									236.22						
Headingley	420.2	233.97	+0.02	2.37	P:234.44	Peaked July 17				244.3	232.98	339.8	233.47	545.0	234.57

2013 peaks are provisional data from Environment Canada.

\* As of July 30 the Portage Reservoir Bascule Gates are being operated to decrease the flow along the Lower Assiniboine River by 500 cfs per day until the flow along the Lower Assiniboine reaches 11,000 cfs. The flow along the Lower Assiniboine River will then be held at 11,000 cfs until the inflow into the Portage Reservoir decreases to 11,000 cfs at which point the Diversion will have no flow and the Lower Assiniboine will be allowed to decrease naturally. This operating plan will allow for a controlled decrease of the flow along the Lower Assiniboine River which will help to prevent slumping of river banks and dikes. Since Inflows into the Portage Reservoir are currently dropping by approximately 1,000 cfs per day, the flow into the Portage Diversion will continue to decrease as the flow along the Lower Assiniboine River is being decreased by 500 cfs per day.

P: Denotes a peak flow/crested elevation that has occurred in the past.

